

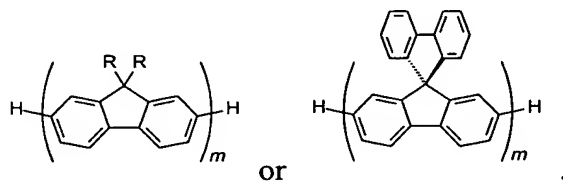
REMARKS

Claims 1 to 9, 11 to 18, and 20, as amended, and new claim 22 appear in this application for the Examiner's review and consideration. Claims 10, 19, and 21 have been canceled without prejudice to Applicants right to file one or more continuation or divisional applications directed to the subject matter of those claims. The new claim and the amendments are fully supported by the specification and claims as originally filed. In particular, support for the recitation of "wherein the metal binding agent is electrically neutral" may be found in paragraph [0062] at page 19 of the application. Therefore, there is no issue of new matter.

Applicants acknowledge with appreciation the indication of allowable subject matter in claims 8 to 10, 17 to 19, and 21, and submit that claims 1 and 12 have been amended to recite the allowable subject matter of claims 10, 19, and 21 in the alternative with the recitation that the metal binding agent is electrically neutral. As the ligands in all of the complexes cited in the Office Action are anionic and, thus, negatively charged, Applicants submit that all of the claims are now in condition for allowance.

Claims 1 and 6 were rejected under 35 U.S.C. §102(e) as allegedly being anticipated by U.S. Patent Application Publication No. 2003/0082406 to Murase et al. ("Murase") for the reasons set forth on page 2 of the Office Action.

In response, Applicants submit that the presently claimed invention is directed to an organic light emitting device comprising: an anode, a cathode, and an organic layer disposed between the anode and the cathode. The organic layer comprises a host material, an alkali metal or an alkaline earth metal, and a metal binding agent. The metal binding agent is electrically neutral and/or the metal binding agent comprises a compatibilizer and/or the host material is selected from a material having the formula



wherein m is 2 to 8 and each R is independently selected from alkyl, aryl and aralkyl.

In contrast to the presently claimed invention, Murase discloses light emitting devices comprising a layer of a quinolinol metal host material doped with a magnesium phthalocyanine complex. As will be recognized by one of ordinary skill in the art, the

phthalocyanine ligands of the magnesium phthalocyanine complex are anionic, and, thus, are negatively charged. Murase does not disclose an organic light emitting device comprising an electrically neutral metal binding agent and/or a metal binding agent that comprises a compatibilizer and/or the host material of the invention, as presently claimed. Therefore, Murase does not disclose the presently claimed invention.

Therefore, as Murase does not disclose the presently claimed invention, the present claims are not anticipated by that reference. Accordingly, Applicants respectfully request that the Examiner withdraw the rejection of claims 1 and 6 under 35 U.S.C. §102(e).

Claims 1 to 3, 6, 7, 12, 15, and 16 were rejected under 35 U.S.C. § 102(e), as allegedly being anticipated by U.S. Patent Application Publication No. 2004/0207318 to Lee et al. ("Lee") for the reasons set forth on page 2 of the Office Action.

In response, Applicants submit that the presently claimed invention is directed to the organic light emitting device recited claim 1, as set forth above, and to the organic light emitting device recited in claim 12, which differs from claim 1 in that claim 12 recites first and second organic layers disposed between the anode and the cathode, where the first organic layer is an emissive layer, and the second organic layer comprises an electron transporting host material corresponding to the host material recited in claim 1.

In contrast, Lee discloses an organic electroluminescent device having an electron transport layer of a mixture of tris(8-quinolinolato)aluminum (Alq) mixed with 8-quinolinolato lithium (Liq) in a mixing ratio of 3:1. As will be recognized by one of ordinary skill in the art, the ligands of the Liq are anionic, and, thus, are negatively charged. Lee does not disclose an organic light emitting device comprising an electrically neutral metal binding agent and/or a metal binding agent that comprises a compatibilizer and/or the host material of the invention, as presently claimed, and, thus, does not disclose the presently claimed invention.

Therefore, as Lee does not disclose the presently claimed invention, the present claims are not anticipated by that reference. Accordingly, Applicants respectfully request that the Examiner withdraw the rejection of claims 1 to 3, 6, 7, 12, 15, and 16 under 35 U.S.C. §102(e).

Claims 1 to 6, 11 to 15, and 20 were rejected under 35 U.S.C. § 103(a) as allegedly being unpatentable over U.S. Patent Application Publication No. 2002/0086180 to Seo et al. ("Seo") for the reasons set forth on page 3 of the Office Action.

In response, Applicants submit that the presently claimed invention is directed to the organic light emitting devices set forth above.

In contrast, Seo discloses luminescent devices having an electron transporting material of bis(10-hydroxybenzo[h]-quinolino)beryllium, $\text{Be}(\text{Bq})_3$. As will be recognized by one of ordinary skill in the art, the ligands of the $\text{Be}(\text{Bq})_3$ are anionic, and, thus, are negatively charged. Seo does not disclose or suggest an organic light emitting device comprising an electrically neutral metal binding agent and/or a metal binding agent that comprises a compatibilizer and/or the host material of the invention, as presently claimed, and, thus, does not disclose or suggest the presently claimed invention.

Therefore, as Seo does not disclose the presently claimed invention, the present claims are not anticipated by that reference. Accordingly, Applicants respectfully request that the Examiner withdraw the rejection of claims 1 to 6, 11 to 15, and 20 under 35 U.S.C. §103(a).

Finally, new claim 22 is directed to an organic light emitting device comprising: an anode, a cathode, and an organic layer disposed between the anode and the cathode, where the organic layer comprises a host material, an alkali metal or an alkaline earth metal, and a metal binding agent, and where the metal binding agent is electrically neutral. As discussed above, none of the cited references disclose or suggest an organic light emitting device comprising an electrically neutral metal binding agent. Therefore, new claim 22 is also patentable over the cited references.

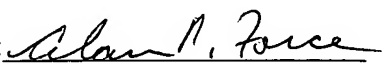
Applicants thus submit that the entire application is now in condition for allowance, an early notice of which would be appreciated. Should the Examiner not agree with Applicants' position, a personal or telephonic interview is respectfully requested to discuss any remaining issues prior to the issuance of a further Office Action, and to expedite the allowance of the application.

No fee is believed to be due for this submission. Should any fee be due, however, please charge such fee to Deposit Account No. **11-0600**.

Respectfully submitted,

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